查询SB520S供应商

Certificate Number: Q10561
Certificate Number: E17276

SB520S - SB5B0S

SCHOTTKY BARRIER RECTIFIER DIODES

PRV : 20 - 100 Volts
Io : 5.0 Amperes

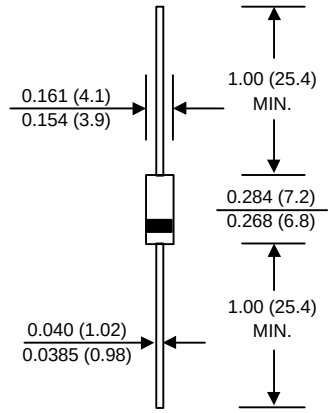
FEATURES :

* High current capability
* High surge current capability
* High reliability
* High efficiency
* Low power loss
* Low cost
* Low forward voltage drop

MECHANICAL DATA :

* Case : D2A Molded plastic
* Epoxy : UL94V-O rate flame retardant
* Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
* Polarity : Color band denotes cathode end
* Mounting position : Any
* Weight : 0.645 gram

D2A



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

RATING	SYMBOL	SB 520S	SB 530S	SB 540S	SB 550S	SB 560S	SB 570S	SB 580S	SB 590S	SB 5B0S	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	70	80	90	100	Volts
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	49	56	63	70	Volts
Maximum DC Blocking Voltage	V_{DC}	20	30	40	50	60	70	80	90	100	Volts
Maximum Average Forward Current 0.375", 9.5mm Lead Length See Fig.1	$I_{F(AV)}$	5.0									Amps.
Peak Forward Surge Current, 8.3ms single half sine wave superimposed on rated load (JEDEC Method)	I_{FSM}	150									Amps.
Maximum Forward Voltage at I_F = 5 Amps. (Note 1)	V_F	0.5			0.67			0.79			Volt.
Maximum Reverse Current at Ta = 25 °C	I_R	0.5									mA
Rated DC Blocking Voltage (Note 1) Ta = 100 °C	$I_{R(H)}$	50			25						mA
Junction Temperature Range	T_J	- 65 to + 125			- 65 to + 150						°C
Storage Temperature Range	T_{STG}	- 65 to + 150									°C

Notes :

(1) Pulse Test : Pulse Width = 300 µs, Duty Cycle = 2%.

UPDATE : MAY 10, 1999

RATING AND CHARACTERISTIC CURVES (SB520S - SB5B0S)

FIG.1 - FORWARD CURRENT DERATING CURVE

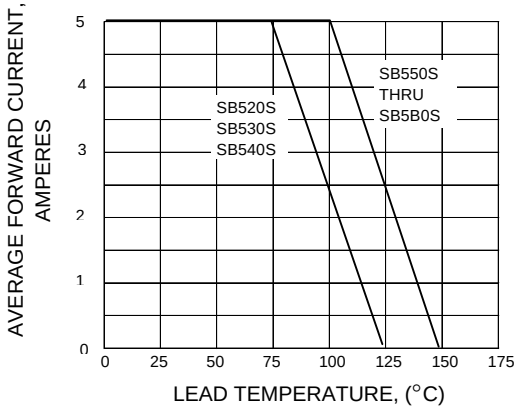


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

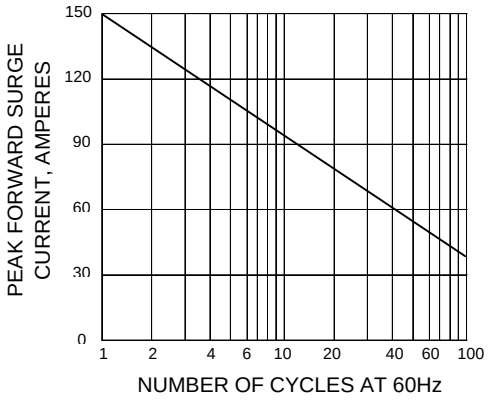


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

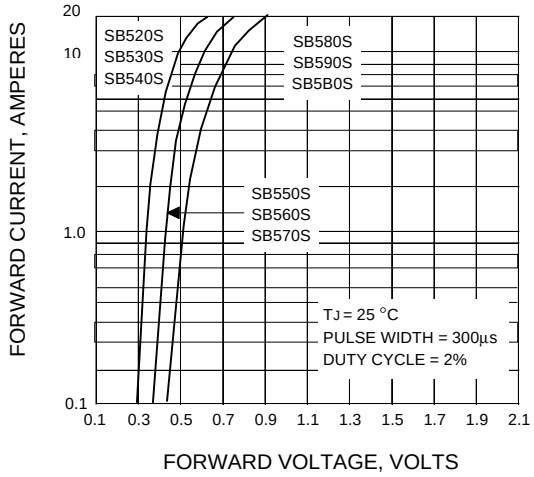


FIG.4 - TYPICAL REVERSE CHARACTERISTICS